

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/24/2021 09:26 AM
Cytometer Baseline: 06/17/2021 09:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124430	-1	1.20	124363	1.16
Blue	F	SSC	125000	123716	-2	2.38	124028	2.21
Blue	E	FITC	13131	12736	-4	2.18	294	14.97
Blue	D	PE	24112	23986	-1	1.58	549	10.32
Blue	B	PerCP-Cy5-5	31295	30486	-3	2.95	1006	13.97
Blue	A	PE-Cy7	19939	19807	-1	4.98	528	27.82
Red	C	APC	42122	41458	-2	3.01	1735	11.09
Red	A	APC-Cy7	22340	21656	-4	3.32	809	11.44
Violet	B	V450	7410	7052	-5	3.11	428	12.12
Violet	A	V500	28118	26972	-5	2.70	673	9.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23198	1.01	557	-12	N/A	N/A	Pass
Blue	F	SSC	57660	1.06	512	0	N/A	N/A	Pass
Blue	E	FITC	55	53.22	481	-6	0.0475	143	Pass
Blue	D	PE	116	36.16	484	-4	0.5023	372	Pass
Blue	B	PerCP-Cy5-5	188	34.56	579	-7	0.0219	74	Pass
Blue	A	PE-Cy7	106	65.23	622	-6	0.0243	1	Pass
Red	C	APC	402	22.98	575	-1	0.0299	163	Pass
Red	A	APC-Cy7	182	26.87	549	-2	0.0066	1033	Pass
Violet	B	V450	61	60.76	457	4	0.0645	2212	Pass
Violet	A	V500	97	32.10	469	4	0.0291	711	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.72	-31.46	1.00
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.82	13.60 - 20.40	N/A	N/A	29.86	30.11	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12120

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments